

MICRON.172A



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Ammar Deraa, Sujit Sharan and )  
Paul Castroville )  
App. No. : 09/945065 )  
Filed : August 30, 2001 )  
For : METAL SILICIDE ADHESION )  
LAYER FOR CONTACT )  
STRUCTURES )  
Examiner : Unknown )

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, Customer No. 20,995, Michael L. Lynch, Reg. No. 30,871 and Charles B.

App. No. : Unknown  
Filed : Herewith

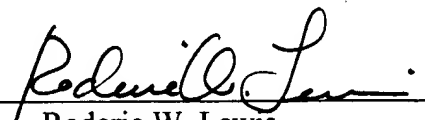
Bratnley, Reg. No. 38,086, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

MICRON TECHNOLOGY, INC.

Dated: March 20, 2002

By:

  
Roderic W. Lewis

Title: Vice President of Legal Affairs,  
General Counsel and Corporate Secretary

Address: 8000 S. Federal Way  
Boise, Idaho 83707

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# DECLARATION - USA PATENT APPLICATION

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As a below named inventor, I hereby declare that: \_\_\_\_\_

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled METAL SILICIDE ADHESION LAYER FOR CONTACT STRUCTURES; the specification of which is attached hereto;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Ammar Deraa

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

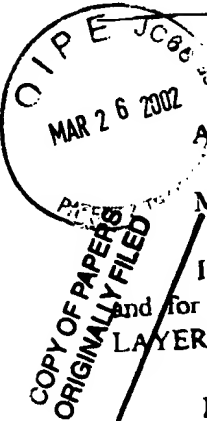
10/31/01

Residence: 1097 Melrose Street, #225, Boise, ID 83706

Citizenship:

Post Office Address: 1097 Melrose Street, #225, Boise, ID 83706

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Full name of second inventor: **Sujit Sharan**Inventor's signature *Sujit Sharan*Date 3/12/02Residence: ~~1097 Melrose Street, #225, Boise, ID 83706~~  
5105 W. MONTEREY STREET, CHANDLER, AZ 85226Citizenship: **INDIA**Post Office Address: ~~1097 Melrose Street #225, Boise, ID 83706~~  
5105 W. MONTEREY STREET, CHANDLER, AZ 85226.Full name of third inventor: **Paul Castroville**Inventor's signature *Paul J. Castroville*Date Oct. 31 - 2001Residence: ~~1097 Melrose Street, #225, Boise, ID 83706~~ 1814 N PHILLIPPI, Boise, ID 83706Citizenship: **USA**Post Office Address: ~~1097 Melrose Street, #225, Boise, ID 83706~~ 1814 N PHILLIPPI, Boise, ID 83706

Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

03-07-2002 10:36

From-KNOBBE MARTE and BEAR

48 P.006/008 F-326

Application No.: 09/945065  
Filing Date: August 30, 2001



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PATENT ~~XXXX~~  
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WHEREAS, We, Ammar Deraa, a United States citizen, residing at 1097 Melrose Street, #225, Boise, ID 83706, Suji Sharan, United States, 1097 Melrose Street, #225, Boise, ID 83706, have invented certain new and useful improvements in a METAL SILICIDE ADHESION LAYER FOR CONTACT STRUCTURES  
Paul Castrovillo, United States, 1097 Melrose Street, # 225, Boise, ID 83706 for which we have executed an application for Letters Patent in the United States, on even date herewith:

AND WHEREAS, MICRON TECHNOLOGY, INC. (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 8000 South Federal Way, Post Office Box 6, Boise, ID 83707-006, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States, and all extensions, renewals and reissues thereof, and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, who have the right to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of Oct, 2001.

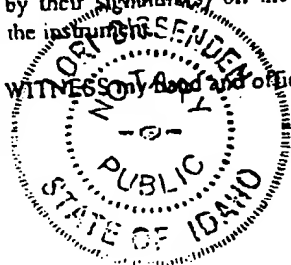
Ammar Deraa

STATE OF Idaho }  
COUNTY OF Ada } ss.

On 10/31/01, before me, Lori Bissenden, personally appeared Ammar Deraa, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacity(ies), and that by their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Notary Signature

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03-07-2002 10:36

From-KNOBBE MARTENS C and BEAR

48 P.007/008 F-326  
PATENT  
Client Code: MICRON.172A  
Page 2

Application No.: Unknown  
Filing Date: Unknown

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of March, 2002

[Signature]  
Sujit Sharan

STATE OF  
COUNTY OF

ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Sujit Sharan personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

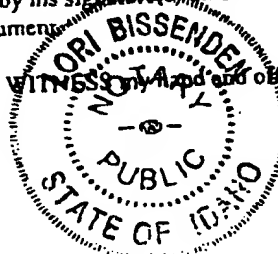
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of October, 2001.

[Signature]  
Paul Castroville

STATE OF Idaho  
COUNTY OF Ada

ss.

On 10/31/01, before me, Lori Bissenden, personally appeared Paul Castroville personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[SEAL]

WITNESS my hand and official seal.

[Signature]  
Notary Signature